



## Mouse IFNG peptide (DAG334)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant Mouse Ifng is a single non-glycosylated polypeptide chain containing 134 amino acids and having a molecular weight of 15,601Da. The sequence of the first five N-terminal amino acids was determined to be Met-His-Gly-Thr-Val.
<b>Antigen Description</b>	Interferon-gamma(IFN- $\gamma$ ) is a dimerized soluble cytokine that is the only member of the type II class of interferons. This interferon was originally called macrophage-activating factor, a term now used to describe a larger family of proteins to which IFN- $\gamma$ belongs. In humans, the IFN- $\gamma$ protein is encoded by the IFNG gene.
<b>Species</b>	Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Specific activity is determined by the cytopathic effect inhibition assay with mouse NIH 3T3 cells challenged with EMC virus and it; 0.1ng/ml, corresponding to a specific activity of 1 x 10 <sup>7</sup> Units/mg. Each laboratory should determine an optimum working titration.
<b>Format</b>	Purified, Lyophilized; Reconstitute using sterile deionized water to a concentration 100 $\mu$ g/ml. Further dilutions can be made in other aqueous buffers.
<b>Concentration</b>	1 mg/ml (OD280nm) (prior to lyophilization)
<b>Buffer</b>	Lyophilized from PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

### BACKGROUND

<b>Introduction</b>	Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to
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having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

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<b>Keywords</b>	IFG; IFI; IFNG; IFN Gamma; IFN Immune; IFN-gamma; Immune Interferon; Interferon gamma; Interferon Gamma Precursor; Macrophage Activating Factor; MAF; T Cell Interferon; Type II Interferon
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## GENE INFORMATION

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Entrez Gene ID	<a href="#">3458</a>
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UniProt ID	<a href="#">P01579</a>
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